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ENTERED
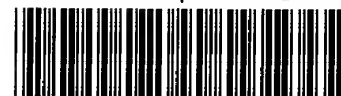
RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/435,471B**

DATE: 11/21/2002
TIME: 09:50:04

Input Set : **A:\USF-T135.ST25.txt**
Output Set: **N:\CRF4\11212002\I435471B.raw**

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 3 <110> APPLICANT: Cooper, Denise R.
 4         Patel, Niketa A.
 6 <120> TITLE OF INVENTION: Glucose-Regulated mRNA Instability Element
 8 <130> FILE REFERENCE: USF-T135
10 <140> CURRENT APPLICATION NUMBER: US 09/435,471B
11 <141> CURRENT FILING DATE: 1999-11-08
13 <160> NUMBER OF SEQ ID NOS: 13
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 7
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
22 <220> FEATURE:
23 <221> NAME/KEY: MISC_FEATURE
24 <222> LOCATION: (1)..(7)
25 <223> OTHER INFORMATION: Tyrosine phosphatase conserved active-site motif
28 <220> FEATURE:
29 <221> NAME/KEY: MISC_FEATURE
30 <222> LOCATION: (2)..(6)
31 <223> OTHER INFORMATION: Xaa = any amino acid residue
34 <400> SEQUENCE: 1
36 Cys Xaa Xaa Xaa Xaa Xaa Arg
37 1               5
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 11
42 <212> TYPE: PRT
43 <213> ORGANISM: Homo sapiens
45 <220> FEATURE:
46 <221> NAME/KEY: MISC_FEATURE
47 <222> LOCATION: (1)..(11)
48 <223> OTHER INFORMATION: Tyrosine phosphatase signature sequence motif
51 <220> FEATURE:
52 <221> NAME/KEY: MISC_FEATURE
53 <222> LOCATION: (1)..(1)
54 <223> OTHER INFORMATION: Xaa = Ile or Val
57 <220> FEATURE:
58 <221> NAME/KEY: MISC_FEATURE
59 <222> LOCATION: (4)..(4)
60 <223> OTHER INFORMATION: Xaa = any amino acid residue
63 <220> FEATURE:
64 <221> NAME/KEY: MISC_FEATURE
65 <222> LOCATION: (7)..(7)
66 <223> OTHER INFORMATION: Xaa = any amino acid residue
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W-->

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 69 <220> FEATURE:
 70 <221> NAME/KEY: MISC_FEATURE
 71 <222> LOCATION: (10)..(10)
 72 <223> OTHER INFORMATION: Xaa = Ser or Thr
 75 <400> SEQUENCE: 2
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 78 1               5                10
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 82 <211> LENGTH: 9
 83 <212> TYPE: PRT
 84 <213> ORGANISM: Homo sapiens
 86 <220> FEATURE:
 87 <221> NAME/KEY: MISC_FEATURE
 88 <222> LOCATION: (1)..(9)
 89 <223> OTHER INFORMATION: Dual-specificity phosphatase signature sequence motif
 92 <220> FEATURE:
 93 <221> NAME/KEY: MISC_FEATURE
 94 <222> LOCATION: (3)..(4)
 95 <223> OTHER INFORMATION: Xaa = any amino acid residue
 98 <220> FEATURE:
 99 <221> NAME/KEY: MISC_FEATURE
100 <222> LOCATION: (6)..(7)
101 <223> OTHER INFORMATION: Xaa = any amino acid residue
104 <220> FEATURE:
105 <221> NAME/KEY: MISC_FEATURE
106 <222> LOCATION: (9)..(9)
107 <223> OTHER INFORMATION: Xaa = Ser or Thr
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119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: PKC-Beta-I and PKC-Beta-II upstream sense primer
124 <400> SEQUENCE: 4
125 cgtatatgcg gccgcgttgt gggcctgaag ggg                          33
128 <210> SEQ ID NO: 5
129 <211> LENGTH: 33
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: PKC-Beta-I downstream antisense primer
136 <400> SEQUENCE: 5
137 gcattctagt cgacaagagt ttgtcagtgg gag                          33
140 <210> SEQ ID NO: 6
141 <211> LENGTH: 21
142 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 11/21/2002
PATENT APPLICATION: **US/09/435,471B**   TIME: 09:50:04

Input Set : **A:\USF-T135.ST25.txt**
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143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Beta-globin sense primer
148 <400> SEQUENCE: 6
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152 <210> SEQ ID NO: 7
153 <211> LENGTH: 21
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Beta-globin antisense primer
160 <400> SEQUENCE: 7
161 aaccagcacg ttgcccagga g                                              21
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 351
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 8
170 ttttaaacca aaagcttttt gggcgaaacg ctgaaacttc gaccggtttt tcacccgcca    60
172 tccaccagtc ctaacacctc cgaccaggaa gtcatcagga atattgacca atcagaattc   120
174 gaaggatttc ctttgttaac tctgaatttt taaaacccga agtcaagagc tagtagatct   180
176 gtagacctcc gtccttcatt tctgtcattc aagctcacag ctatcatgag agacaagcga   240
178 gacacctcca acttcgacaa aagttcacca ggcagcctgt ggaactgact cccactgaca   300
180 aactctgtcg actagaatgc cctgaattct gcagatatcc atcacactgc g            351
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 39
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 9
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193 <211> LENGTH: 300
194 <212> TYPE: RNA
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 10
198 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgcca    60
200 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc   120
202 gaaggauuuc cuuuguuaac ucugaauuuu uaaaacccga agucaagagc uaguagaucu   180
204 guagaccucc guccuucauu ucugucauuc aagcucacag cuaucaugag agacaagcga   240
206 gacaccucca acuucgacaa aaguucacca ggcagccugu ggaacugacu cccacugaca   300
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 175
211 <212> TYPE: RNA
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 11
215 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgcca    60
217 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc   120
219 gaaggauuuc cuuuguuaac ucugaauuuu uaaaacccga agucaagagc uagua        175
222 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING   DATE: 11/21/2002
PATENT APPLICATION: US/09/435,471B   TIME: 09:50:04

Input Set : A:\USF-T135.ST25.txt
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223 <211> LENGTH: 137
224 <212> TYPE: RNA
225 <213> ORGANISM: Homo sapiens
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230 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc     120
232 gaaggauuuc cuuuguu                                                    137
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 25
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
240 <220> FEATURE:
241 <221> NAME/KEY: MISC_FEATURE
242 <222> LOCATION: (1)..(25)
243 <223> OTHER INFORMATION: Protein kinase ATP-binding motif
246 <220> FEATURE:
247 <221> NAME/KEY: MISC_FEATURE
248 <222> LOCATION: (1)..(1)
249 <223> OTHER INFORMATION: Xaa = any amino acid residue
252 <220> FEATURE:
253 <221> NAME/KEY: MISC_FEATURE
254 <222> LOCATION: (3)..(3)
255 <223> OTHER INFORMATION: Xaa = any amino acid residue
258 <220> FEATURE:
259 <221> NAME/KEY: MISC_FEATURE
260 <222> LOCATION: (5)..(6)
261 <223> OTHER INFORMATION: Xaa = any amino acid residue
264 <220> FEATURE:
265 <221> NAME/KEY: MISC_FEATURE
266 <222> LOCATION: (8)..(25)
267 <223> OTHER INFORMATION: Xaa = any amino acid residue
270 <400> SEQUENCE: 13
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     273 1               5                   10                  15
W--> 276 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys Xaa
     277             20              25
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/21/2002
PATENT APPLICATION: US/09/435,471B   TIME: 09:50:05

Input Set : A:\USF-T135.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,6
Seq#:2; Xaa Pos. 1,4,7,10
Seq#:3; Xaa Pos. 3,4,6,7,9
Seq#:13; Xaa Pos. 1,3,5,6,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,25